



Certificate of Analysis

24 MAY 2022

RED CAPS / MITRAGYNINE / D458F



Client:	MADEWELL	SAMPLE SET:	153270
Sample Type:	Powder	Prepped By:	Keith C.
Sample Weight:	200mg	Acquisition Method:	MIT-EVO_R2023-01
Dilution:	1.0	Testing ID:	GRD-MIT_152298.D
Vial:	Vial 6	Date Processed:	05/23/2023

ID/POTENCY

#	Analyte	RT (min)	Area (mAU*s)	Amt (µg/mL)	Alkaloid	Total %
1	Mitragynine	14	2879	124	C ₂₃ H ₃₀ N ₂ O ₄	1.24
2	7-Hydroxymitragynine	6	4	1	C ₂₃ H ₃₀ N ₂ O ₅	.001
3	Paynantheine	10	792	37	C ₂₃ H ₂₈ N ₂ O ₄	0.4
4	Speciogynine	11	620	29	C ₂₃ H ₃₀ N ₂ O ₄	0.3
5	Speciociliatine	12	427	20	C ₂₃ H ₃₀ N ₂ O ₄	0.2

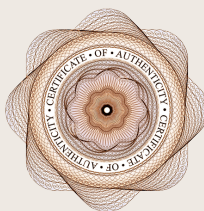
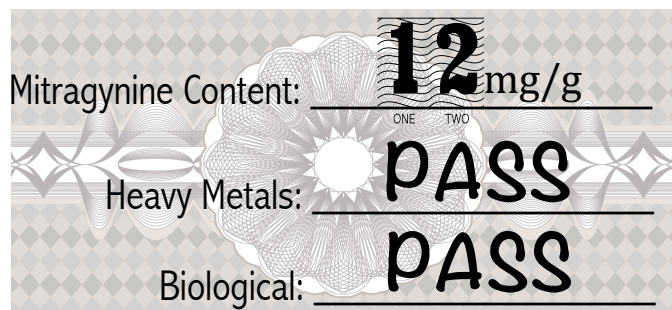
BIOLOGICAL

USP NF Total Viable Count				USP NF Total Yeast		USP NF Total Mold	
Sample	Lot #	Spec	Result	Spec	Result	Spec	Result
Red Caps	D458F	<10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG

FDA(BAM)CH.4 Coliform				USP NF E. Coli		USP NF Salmonella		USP NF Staphylococcus	
Sample	Lot #	Spec	Result	Spec	Result	Spec	Result	Spec	Result
Red Caps	D458F	<10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG	POS/NEG	NEG

HEAVY METALS

Product #	Lot #	Metals	Spec	Results
Red Caps	D458F	Arsenic	< 10,000 ppb	310 ppb
		Cadmium	< 4,100 ppb	30 ppb
		Lead	< 900 ppb**	660 ppb
		Mercury*	< 300 ppb	30 ppb



SEAL OF AUTHENTICITY

VERIFIED BY:

[Signature]

Quality Assurance:

[Signature]